Lolina A/S

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Product Information

Product name	2 ×Lolina® Ultra-Rapid HotStart PCR Master Mix (with Dye)
Cat. No.	NaM201006-2
Reagent Size	1mL /5×1mL /50× 1mL /100×1mL
Product specification	Master Mix
Concentration	2 ×
Hot Start	Built-in Hot Start
Overhang	3' - A
Reaction speed	Rapid
Size(Final Product)	Up to 15kb
Storage and shipping	Shipped with dry ice and can be stored at -25 ℃ to - 15 ℃ for two years.

Product description

2 × Lolina® Ultra-Rapid HotStart PCR Master Mix (with Dye) is based on the modified Taq DNA Polymerase, adding strong extension factor, amplification enhancement factor and optimized buffer system, with super high amplification efficiency. The amplification speed of complex templates such as genome within 3kb reaches 1-3 sec/kb, and that of simple templates like plasmids within 5 kb reaches 1 sec/kb. This product can greatly save PCR reaction time.At the same time, mix contains dNTP and Mg^{2+},which can be amplified only by adding primers and templates, which also greatly simplifies the operation steps of the experiment. Furthermore, mix contains electrophoretic indicator dye,which can be directly electrophoresis after the reaction.The protective agent in this product makes the mix maintain stable activity after repeated freeze and thawing. The 3'-end band A of the PCR productcan be easily cloned into the T vector.

Operate

PCR reaction System

Components	**Volume μL**
2 × Lolina® Ultra-Rapid HotStart PCR Master Mix (with Dye)	25
Forward Primer (10 μmol/L)	2.5
Reverse Primer (10 μmol/L)	2.5
DNA template	-
ddH_20	Up to 50

Reaction program

Cycle step	Temp.	Time	Cycles
Initial denaturation	94 °C	3 min	1
Denaturation	94 °C	10 sec	28-35
Annealing	60 °C	20 sec	
Extension	72 °C	1-10 sec/kb	
Final extension	72 °C	5 min	1

Notes

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. This product is for research use **ONLY**!